

Two shafts are to be constructed in Crandall Canyon:

1. A 26' finished-diameter, concrete-lined intake air and materials hoisting shaft, approximately 1,450' deep;
2. A 20' finished-diameter, concrete-lined return air-shaft, approximately 1,400' deep.

In each shaft, shaft stations will be constructed at the shaft intersection with each of three mineable coal seams, the D, A and Sub 3.

Any quifiers intersected by the shafts will be either grouted off or contained and collected in shaft water rings for later use in the mine. Hydrologic studies lead us to believe that water inflow in the shafts will be minimal. The excavated materials removed from the shafts will be of three types: (1) nontoxic alluvial deposits encountered in the first 50' or so; (2) nontoxic consolidated sandstones and shales; and (3) coal-bearing materials. All coal-bearing materials will be separated from the main portion of the excavated materials and then transported to the existing preparation plant where they will be processed.

The noncoal-bearing materials will be spread in even layers and compacted as fill beneath the bathhouse-office building, the parking lot, the access road at the intake shaft area, and exhaust shaft-sewage plant site. Fill materials will be